

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of optical power calibration for calibrating a writing optical power of an optical storage carrier player, the optical storage carrier player comprising an access device for writing data onto an optical storage carrier, the optical storage carrier comprising a central portion, a data storage area located outside the central portion, and a last possible lead-out area located outside the data storage area, and an outer power calibration area located outside the data storage area, the method comprising the steps of:

(a) defining an outer power calibration area on the optical storage carrier, wherein the outer power calibration area locates outside the data storage area, and a starting point of the outer power calibration area is outer comparing to a starting point of the last possible lead-out area;

(b) (a) the access device performing an optical power calibration in the outer power calibration area by the access device to determine an optimized optical power; and

(c) (b) the access device writing the data onto the data storage area by the access device through by applying the optimized optical power.

2. (Currently Amended) The method of optical power calibration of claim 1 wherein ~~the optical storage carrier further comprises a last possible lead-out area located near an outer edge of the optical storage carrier for recording ending information, and the outer power calibration area is located within the last possible lead-out area.~~

3. (Currently Amended) The method of optical power calibration of claim 2 wherein the last possible lead-out area comprises a predetermined length separation disposed between the

a starting point of the outer power calibration area ~~from a~~ and the starting point of the last possible lead-out area.

4. (Original) The method of optical power calibration of claim 3 wherein the predetermined length separation corresponds to at least 1 minute period at a normal playing speed.

5. (Original) The method of optical power calibration of claim 1 wherein a length of the outer power calibration area is corresponding to at least 20 second period at a normal playing speed.

6. (Original) The method of optical power calibration of claim 1 wherein the outer power calibration area further comprises a test area for allowing a test data written thereon during the power calibration, and a count area for recording a number count of power calibrations already performed on the outer power calibration area.

7. (Cancelled)

8. (Currently Amended) An optical storage carrier player for accessing an optical storage carrier, the optical storage carrier comprising a central portion, an inner power calibration area located outside the central portion, a data storage area located outside the inner power calibration area ~~central portion~~, and an outer power calibration area located outside the data storage area, the optical storage carrier player comprising:

an access device for writing data on an optical storage carrier; and

a control apparatus for controlling the access device to perform an optical power calibration in the outer power calibration area or in the inner power calibration area to determine an optimized optical power.

wherein, according to a specific information, the control apparatus determining whether performing an optical power calibration in the outer power calibration area or performing the optical power calibration in the inner power calibration area to determine the optimized optical power.

9. (Currently Amended) The optical storage carrier player of claim 8 wherein the ~~optical storage carrier further comprises~~ a last possible lead-out area is located near an outer edge of the optical storage carrier for recording ending information, and a starting point of the outer power calibration area is outside a starting point of the last possible lead-out area ~~the outer power calibration area is located within the last possible lead-out area.~~

10. (Original) The optical storage carrier player of claim 9 wherein a predetermined length separation is disposed between a starting point of the outer power calibration area and a starting point of the last possible lead-out area.

11. (Original) The optical storage carrier player of claim 10 wherein the predetermined length separation corresponds to at least 1 minute period at a normal playing speed.

12. (Original) The optical storage carrier player of claim 8 wherein a length of the outer power calibration area corresponds to at least 20 second period at a normal playing speed.

13. (Original) The optical storage carrier player of claim 8 wherein the outer power calibration area further comprises a test area for allowing a test data written thereon during the power calibration and a count area for recording a number count of the power calibration already performed on the outer power calibration area.

14. (Cancelled)

15. (Currently Amended) A optical storage carrier comprising:

a central portion;  
a data storage area located close to the central portion for writing data;  
a last possible lead-out area located outside the data storage area; and  
an outer power calibration area located outside the data storage area for performing an optical power calibration to determine an optimized optical power;  
wherein a starting point of the outer power calibration area is outer comparing to a starting point of the last possible lead-out area.

16. (Currently Amended) The optical storage carrier of claim 15 ~~further comprises a last possible lead-out area located near the outer edge of the optical storage carrier for recording ending information, and wherein~~ the outer power calibration area is located within the last possible lead-out area.

17. (Currently Amended) The optical storage carrier of claim 16 wherein a predetermined length separation disposed between the a starting point of the outer power calibration area ~~from a~~ and the starting point of the last possible lead-out area.

18. (Original) The optical storage carrier of claim 17 wherein the predetermined length separation corresponds to at least 1 minute period at a normal playing speed.

19. (Original) The optical storage carrier of claim 15 wherein a length of the outer power calibration area corresponds to at least 20 seconds period at a normal playing speed.

20. (Original) The optical storage carrier of claim 15 wherein the outer power calibration area comprises a test area for allowing a test data written thereon during the power calibration, and a count area for recording a number count of power calibrations already performed on the outer power calibration area.

21. (Original) The optical storage carrier of claim 15 wherein the optical storage carrier further comprises an inner power calibration area located closer to the central portion than the data storage area.

22. (New) A method of optical power calibration for calibrating a writing optical power of an optical storage carrier player, the optical storage carrier player comprising an access device for writing data onto an optical storage carrier, and a control apparatus for controlling the access device, the optical storage carrier comprising a central portion, an inner power calibration area located outside the central portion, a data storage area located outside the inner power calibration area, a last possible lead-out area located outside the data storage area, and an outer power calibration area, wherein a starting point of the outer power calibration area is outside a starting point of the last possible lead-out area, the method comprising the steps of:

(a) according to a specific information, the control apparatus determines whether to performing an optical power calibration in the outer power calibration area or perform the optical power calibration in the inner power calibration area to determine an optimized optical power; and

(b) writing the data onto the data storage area by the access device through applying the optimized optical power.

23. (New) The method of optical power calibration of claim 22, wherein the inner power calibration area is located close to the central portion, the inner power calibration area having a count area for recoding the specific information, and the specific information comprises a number count of the optical power calibrations already performed within the inner power calibration area.

24. (New) The optical storage carrier player of claim 8, wherein the inner power calibration area is located close to the central portion, the inner power calibration area having a count area for recoding the specific information, and the specific information comprises a number count of the optical power calibrations already performed within the inner power calibration area.

25. (New) The optical storage carrier player of claim 8 wherein the outer power calibration area is located within the last possible lead-out area.